

Appl. No. 09/864,791
Amdt. Dated August 23, 2004
Reply to Office action of April 29, 2004
Attorney Docket No. P14566-US1
EUS/J/P/04-3190

Amendments to the Claims:

This listing of Claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1. (Currently Amended) A method of providing service to a guest user within a wireless enterprise network, comprising the steps of:

receiving a location update request from a guest user within a service area of the enterprise network;

allocating a guest number to the guest user user's mobile station (MS), wherein the guest number is retrieved from a pool of enterprise generated identification numbers;

associating the guest number with the MS's international mobile subscriber identity (IMSI), for use exclusively within the enterprise network;

registering the guest user for service in the enterprise network; and
the enterprise network providing wireless service to the guest user.

2. (Original) The method of claim 1 further comprising the step of the enterprise network emulating a Mobile Switching Center (MSC) in a Public Land Mobile Network (PLMN).

3. (Original) The method of claim 2 further comprising the step of registering the guest user with a Home Location Register (HLR) of a PLMN.

4. (Original) The method of claim 3 further comprising the step of the enterprise network authenticating the guest user with an HLR, for service by the enterprise network.

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5. (Original) The method of claim 4 further comprising the step of the enterprise network emulating a Mobile Switching Center (MSC) with respect to the guest user.

6. (Original) The method of claim 2 further comprising the step of the enterprise network treating the guest user as if roaming from the enterprise network to an MSC of the PLMN.

7. (Original) The method of claim 1 further comprising the step of the enterprise network de-registering the guest user.

8. (Original) The method of claim 1 further comprising the step of the enterprise network maintaining a pool of guest numbers.

9. (Original) The method of claim 1 further comprising the step of the enterprise network de-allocating the guest number by returning it to a pool of guest numbers.

10. (Original) The method of claim 1 further comprising the step of the enterprise network using H.323 signaling for communication among elements of the enterprise network.

11. (Original) The method of claim 1 further comprising the step of the enterprise network providing wireless service to an enterprise user.

12. (Currently Amended) A method of providing service to a guest user within a wireless telecommunication enterprise network, comprising the steps of:
emulating a Mobile Switching Center (MSC) in a Public Land Mobile Network (PLMN);

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maintaining a pool of guest numbers, wherein a guest number is an enterprise generated identification number;

receiving a location update request from a guest user; user's mobile station (MS);
associating the guest number with the MS's international mobile subscriber identity (IMSI), wherein the guest number is for use exclusively within the enterprise network;

~~allocating a guest number to the guest user;~~

registering the guest user for service in the enterprise network; and

the wireless telecommunication enterprise network providing wireless service to the guest user.

13. (Original) The method of claim 12 further comprising the step of registering the guest user with a Home Location Register (HLR) of a PLMN.

14. (Original) The method of claim 13 further comprising the step of the enterprise network authenticating the guest user with an HLR, for service by the enterprise network.

15. (Original) The method of claim 14 further comprising the step of the enterprise network treating the guest user as if roaming from the enterprise network to an MSC of the PLMN.

16. (Original) The method of claim 12 further comprising the step of the enterprise network de-registering the guest user.

17. (Currently Amended) The method of claim 1 further comprising the step of the enterprise network de-allocating the guest number by returning it to [[a]] the pool of guest numbers.

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18. (Original) The method of claim 1 further comprising the step of the enterprise network using H.323 signaling for communication among elements of the enterprise network.

19. (Original) The method of claim 1 further comprising the step of the enterprise network providing wireless service to an enterprise user.

20. (Currently Amended) A system for providing wireless terminal service in an enterprise network environment comprising:

a Public Land Mobile Network (PLMN) supporting wireless service for a plurality of wireless terminals, the PLMN including at least one Mobile Switching Center (MSC) for registration of wireless terminals;

an enterprise network supporting service for a plurality of enterprise terminals within a service area of the enterprise network, the enterprise network including means for supporting access by a wireless terminal to services of the enterprise network; and

a wireless terminal native to the PLMN and guest to the enterprise network; wherein the enterprise network further comprises

means for associating ~~allocating~~ a guest number with ~~to~~ the wireless terminal for use by the wireless terminal exclusively within the service area of the enterprise network, wherein the guest number is an enterprise generated identification number associated with the wireless terminal's International Mobile Subscriber Identity (IMSI).

21. (Original) The system of claim 20 further comprising means for registering the guest terminal with a Home Location Register (HLR) of the PLMN.

22. (Original) The system of claim 21 further comprising means for authenticating the guest terminal with an HLR, for service by the enterprise network.

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23. (Original) The system of claim 20 wherein the enterprise network further comprises an H.323 network.

24. (Original) The system of claim 20 wherein the PLMN further comprises a Global System for Mobile communications (GSM) network.